

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-127602

(43)Date of publication of application : 19.05.1998

(51)Int.Cl.

A61B 5/055  
G01R 33/3815  
H01F 6/00

(21)Application number : 08-303966

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(22)Date of filing : 30.10.1996

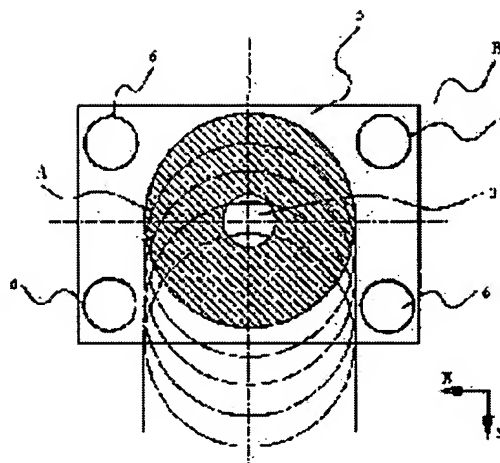
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## (54) SUPERCONDUCTING MAGNETIC DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To divide the yoke part of a magnetic shield into small parts and to easily insert a superconducting magnet after assembling the magnetic shield at a site by enabling to incorporate the assembling structure of the super conductive magnet in the magnetic field after assembling.

SOLUTION: The superconducting magnet A which generates a uniform magnetic field in a measuring space 3 through the use of superconducting characteristic and is cooled to a temperature showing superconducting characteristic within a cooling container is provided with the magnetic shield B for suppressing the spreading of a leaked magnetic field distributed in its peripheral and external part. At this time the magnetic shield B is constituted of disassembleable iron board 5 and iron yokes 6 to insert the magnet A through between two iron yokes 6 after assembling. The iron yokes 6 are arranged at symmetrical positions at four corners. It is possible that an iron yoke on this side 6A is provided with a small diameter and arranged at a long interval but the iron yoke 6B on a deep side is provided with a large diameter and arranged at a little shorter interval.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

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